

RADIO SYSTEM FOR PROVIDING WIRELESS CONNECTIVITY BETWEEN DIGITAL DEVICES

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ABSTRACT

A wireless radio system for providing short-range wireless links between digital devices includes an RF transceiver and a digital baseband portion for establishing and maintaining links. The RF transceiver is embodied on a PC expansion card received by a PC card expansion slot. At least a portion of the digital baseband is integrated on a host controller, equipped with logic sets for detecting and operating various types of expansion cards. One such logic set detects and operates the transceiver expansion card, so that a connection between the transceiver and the baseband is maintained. Removing the transceiver card detaches the transceiver, altogether eliminating wireless functionality. By substituting cards having transceivers adapted to local conditions, the radio system may be modified to accommodate regional variations in the LSM radio band.

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